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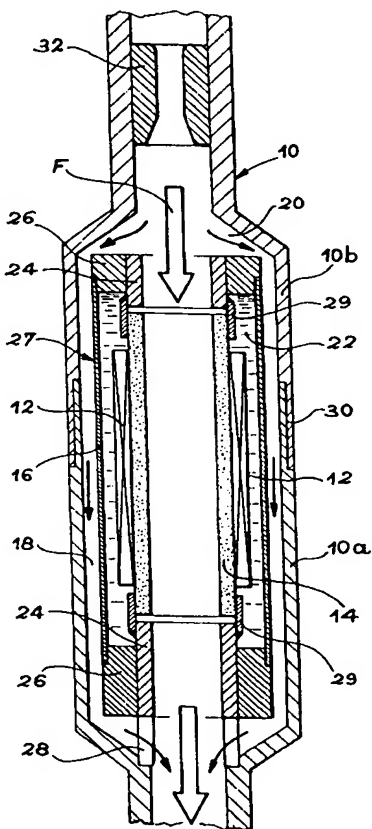
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(54) Title: **DEVICE FOR CHARACTERIZING THE FLOW OF A MULTIPHASE FLUID IN A TUBING**



(57) Abstract: The invention relates to a device for integrating electrodes (12) characterizing the flow of a multiphase fluid in a tubing (10). The device includes a tube section (14) made out of an electrically insulating material and bearing the electrodes on its external surface. A metal compensation sheath (16) encircles the section (14), being separated from the latter by an insulating and incompressible fluid. An annular chamber (18) outside the sheath communicates with the inside of the tubing (10). The sheath (16) is fixed on seal rings (29) inserted at the ends of the section (14), by reinforcement for example.

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